

Abstract of the Disclosure

The present invention provides particles comprising chitosan, or a derivative thereof, useful as delivery vehicles for polynucleotides encoding polypeptides, compositions comprising such particles and a pharmaceutically acceptable carrier, and methods for delivering
5 polynucleotides using such particles. Optionally, the particles of the invention further comprise a lipid component. The present invention further provides a method for enhancing interferon-gamma expression to regulate the production of cytokines secreted by T-helper type 2 (Th2) cells within a subject by administering an effective amount of a particle of the subject invention to the subject, wherein the particle comprises a polynucleotide encoding interferon-gamma.